

0000000000

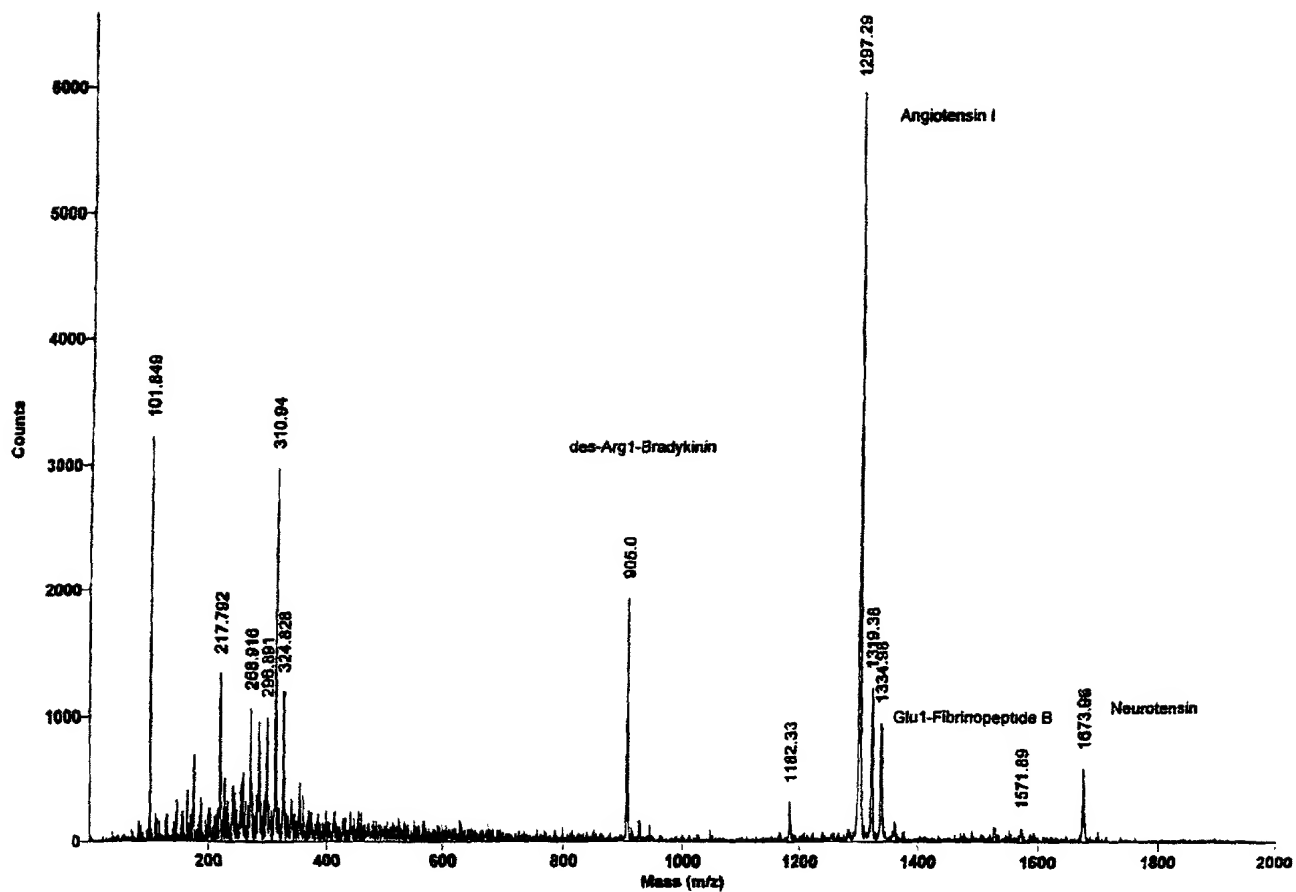


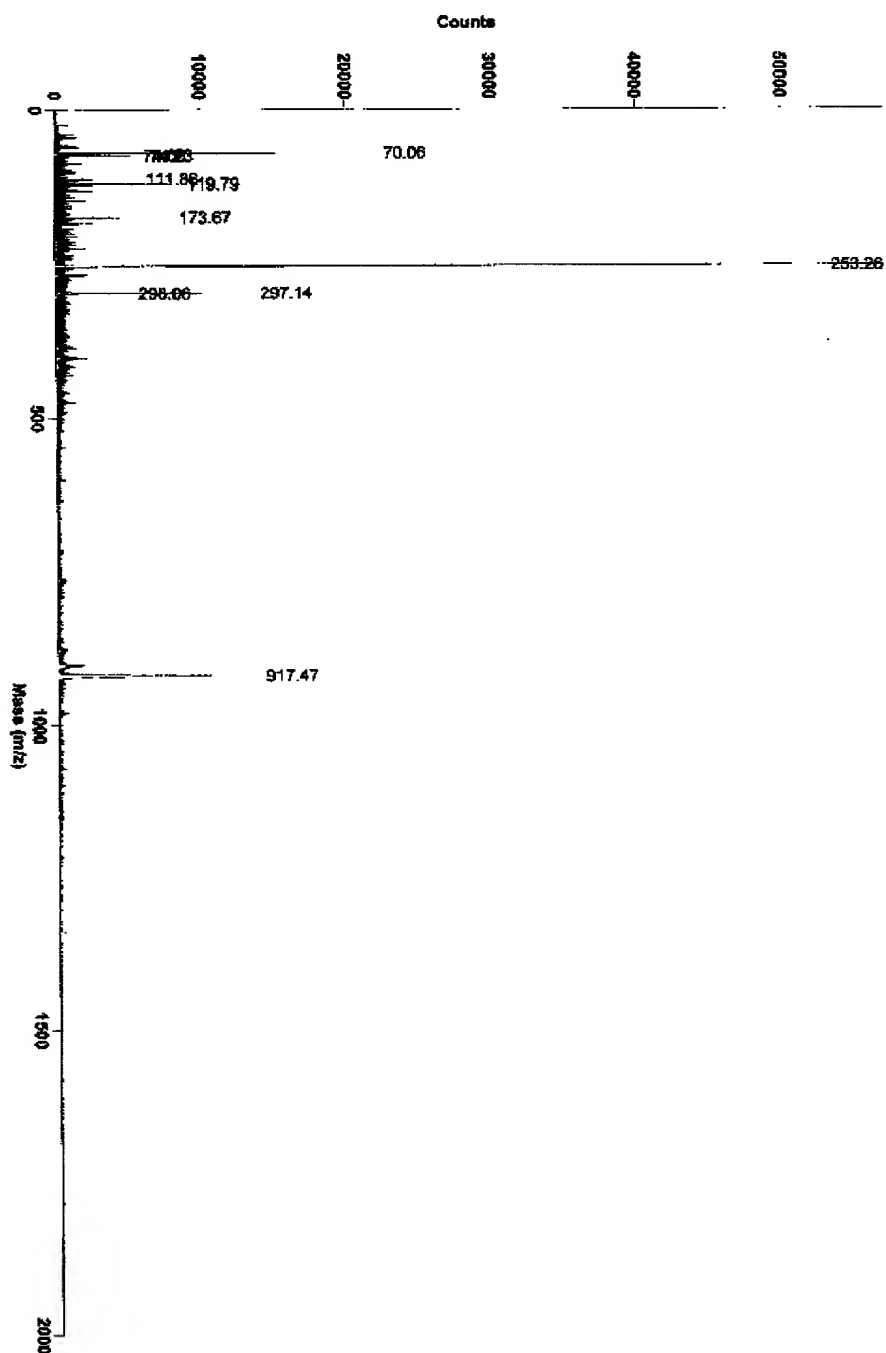
Figure 1.

Mass spectrum showing relative intensity (Counts) versus mass-to-charge ratio (m/z). The base peak is at m/z 102.34. Other significant peaks are labeled at m/z 73.21, 130.45, 165.21, 187.11, 175.09, 201.05, 223.05, 245.05, 267.05, 289.05, 311.06, 325.04, and 372.84.

Figure 2.

PERKINELMER
Mass Spectrometry Center

Original Filename: c:\cygwin\bin\perl\bin\perl1024001.ms
Title File # 1 C:\NOVAGEN\MSC\CENTERDATA\INSTR\SCN1024001.MS
Comment: PVD-Si 14U/10M Breakdown at dry



Method: LING1.1
Mode: LINES
Accelerating Voltage: 15000
Grid Voltage: 95.000 %
Guide Wire Voltage: 0.250 %
Delay: 150.0N
Sample: 62

Laser: 2100
Scans Averaged: 50
Pressure: 1.7E-07
Low Mass Gate: OFF
Trimmed Ion Selector: 982.2 OFF
Negative Ions: OFF
Collected: 1024000 3:11 PM

Figure 3.

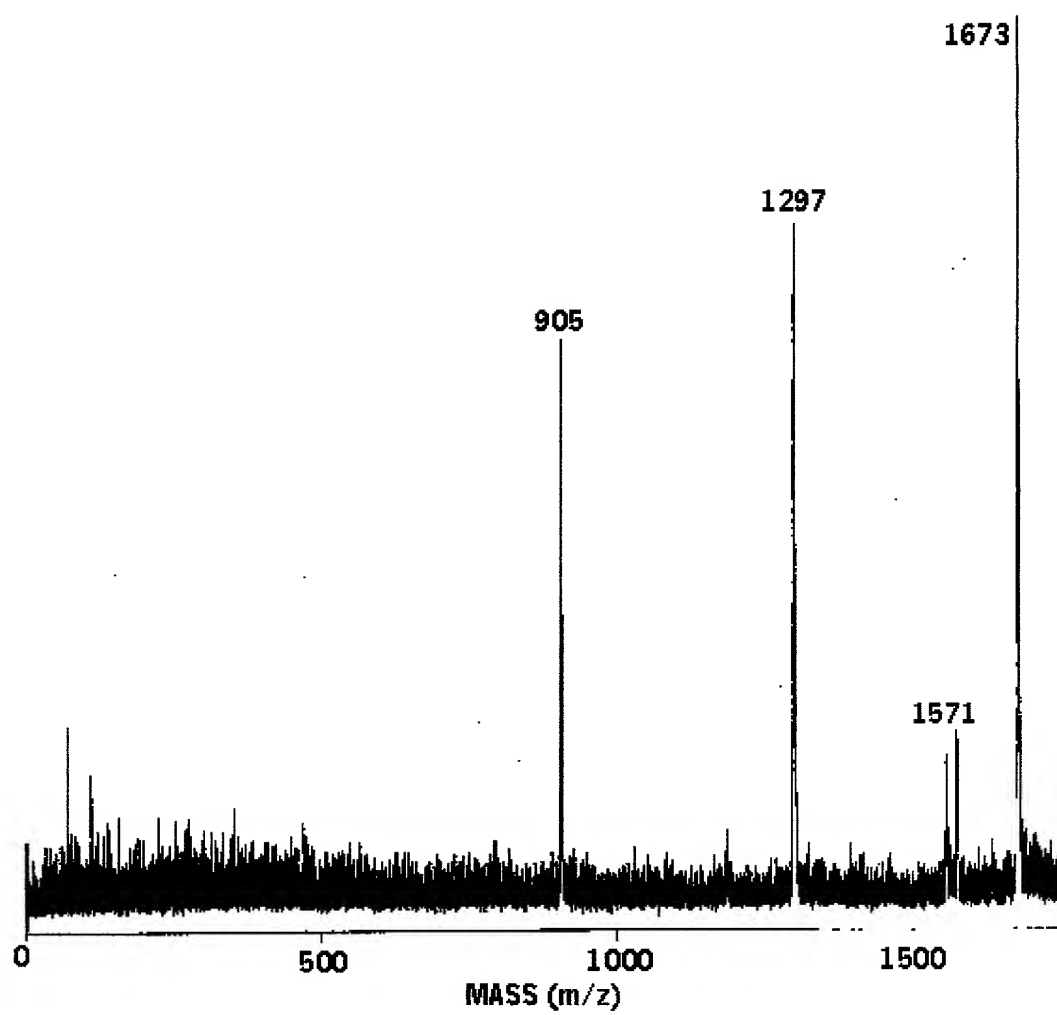


Figure 4.

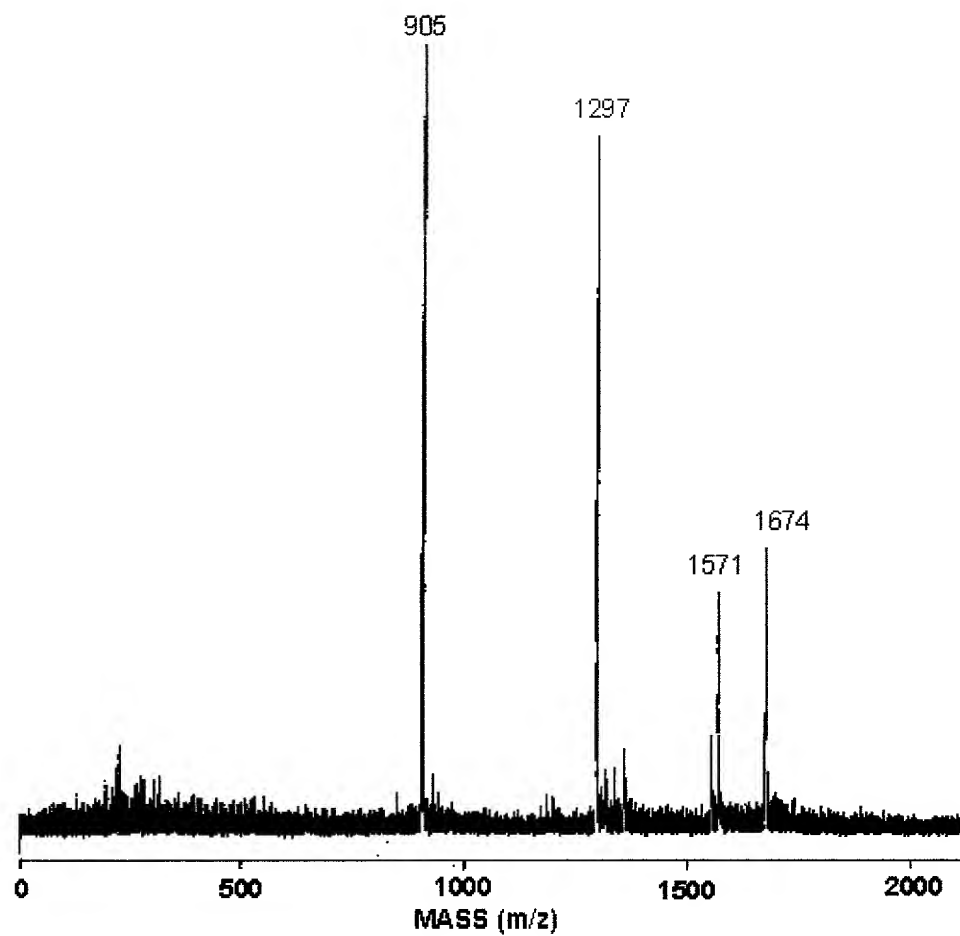


Figure 5.

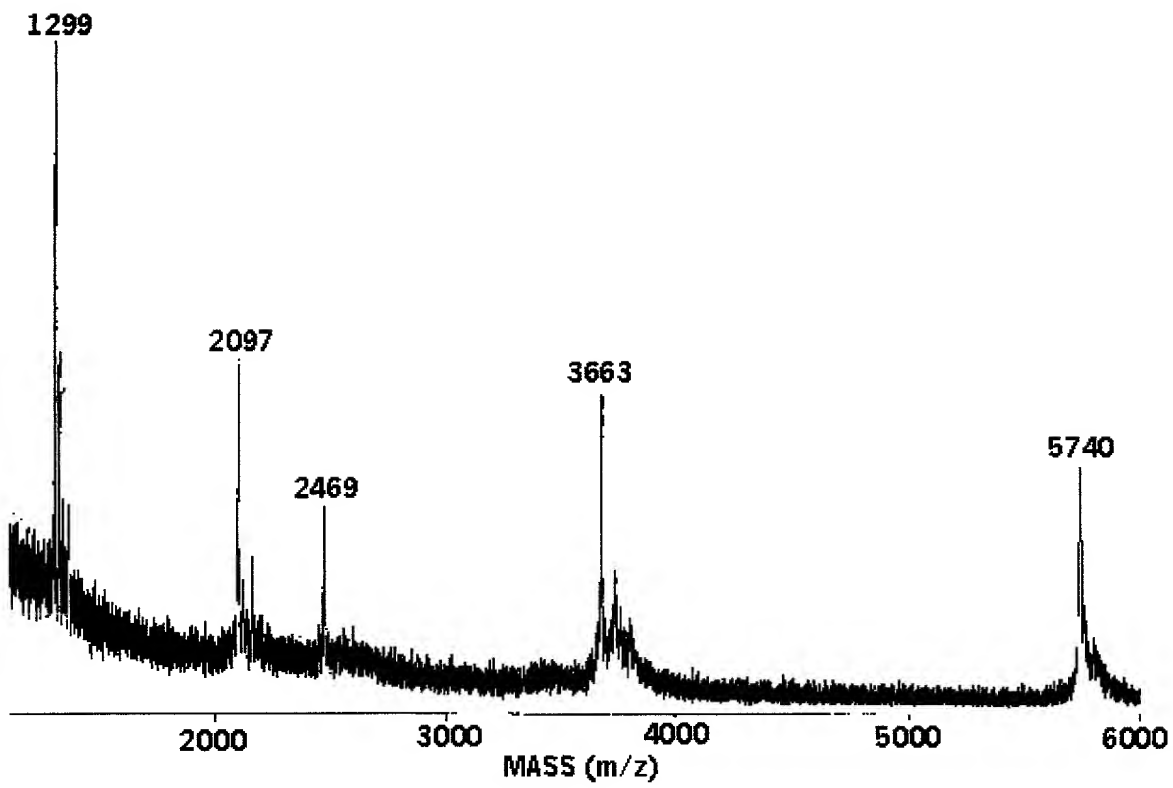


Figure 6.

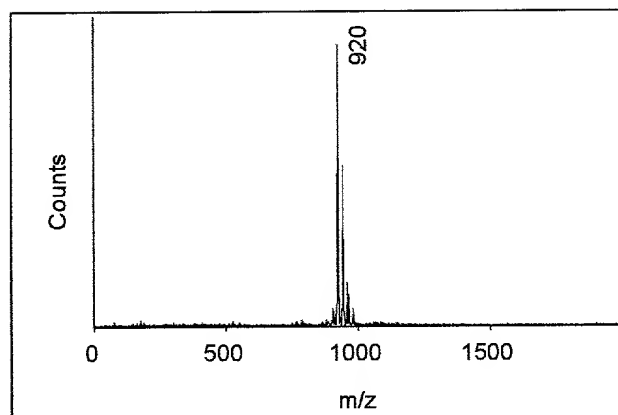


Figure 7.

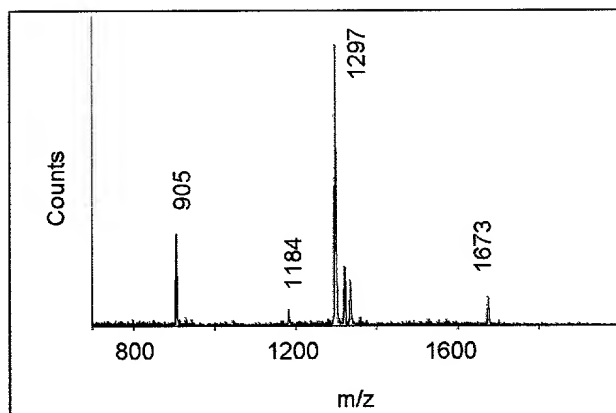


Figure 8.

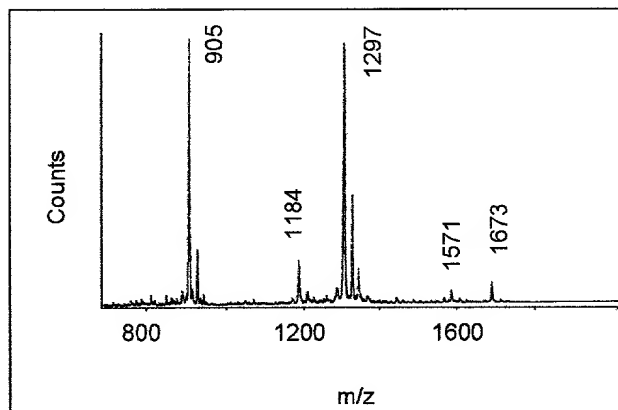


Figure 9.

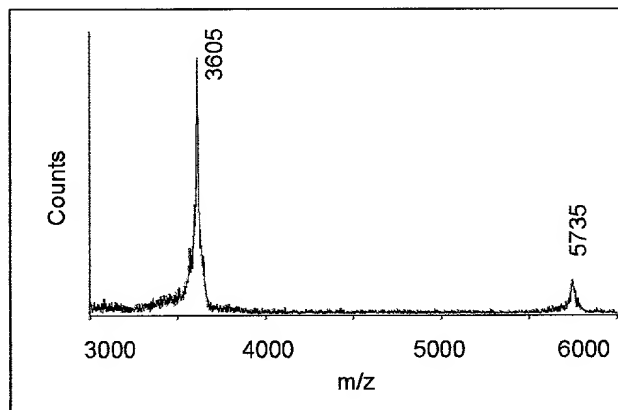


Figure 10.

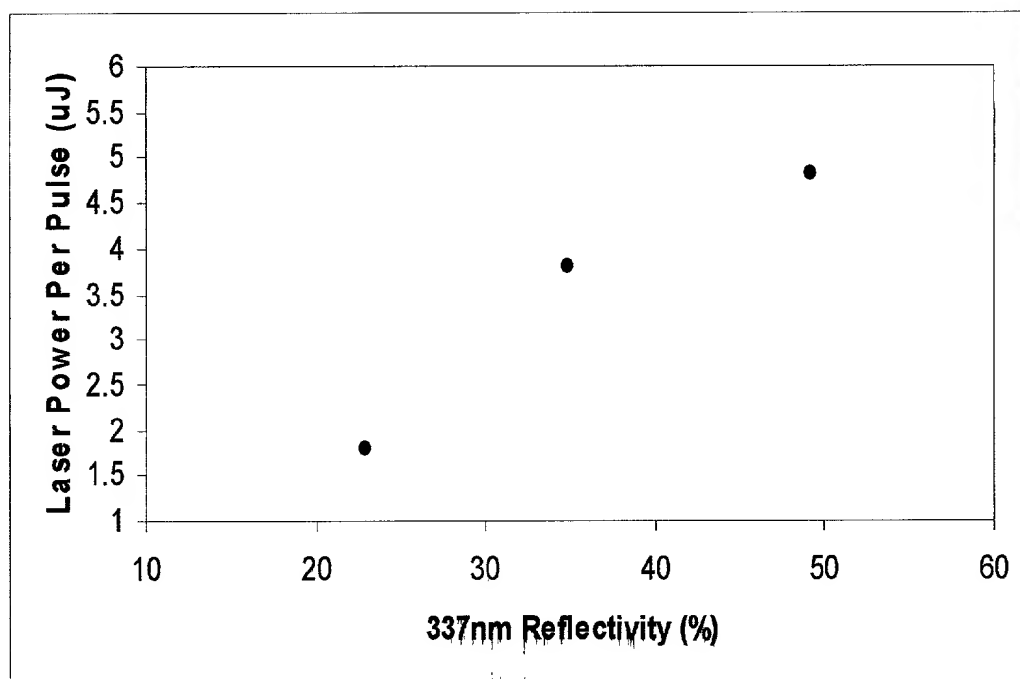


Figure 11.

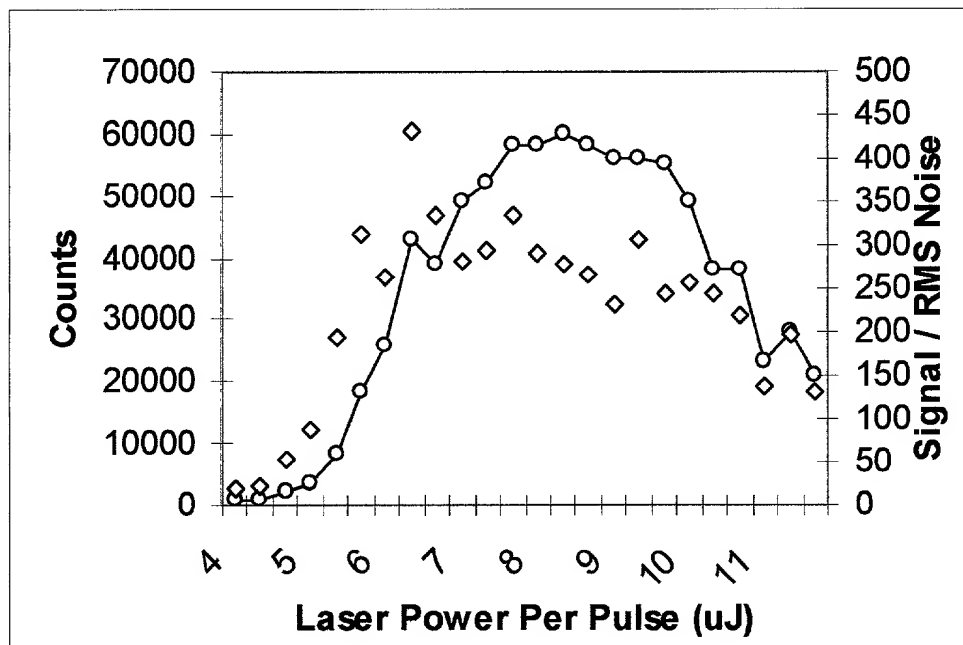


Figure 12.

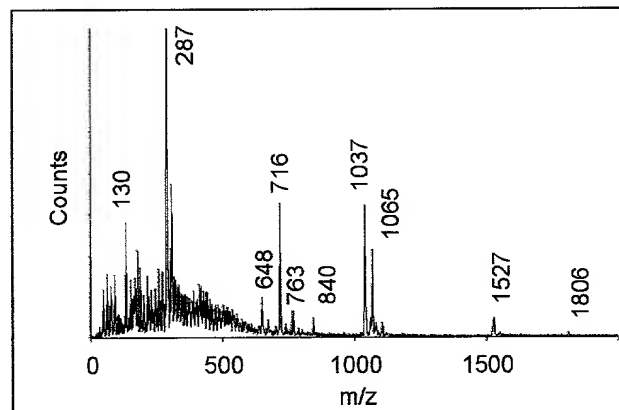
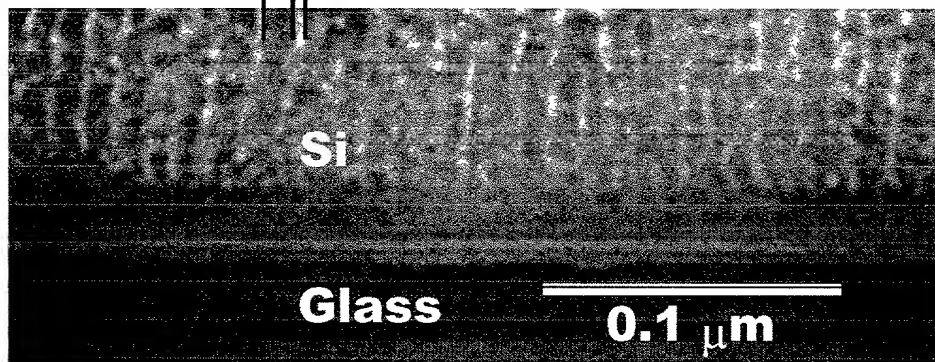


Figure 13.

→ ← ~30 Å
→ ← ~100 Å



Deposition Conditions

Temperature	120 °C
Power	500 W
Pressure	7.8 mTorr

Figure 14a.

100C PVD Si on Wafer

Mag = 100.00 K X 200nm EHT = 2.50 kV Signal A = InLens Date :21 Sep 2000
 Time :11:33 WD = 2 mm

Figure 14b.

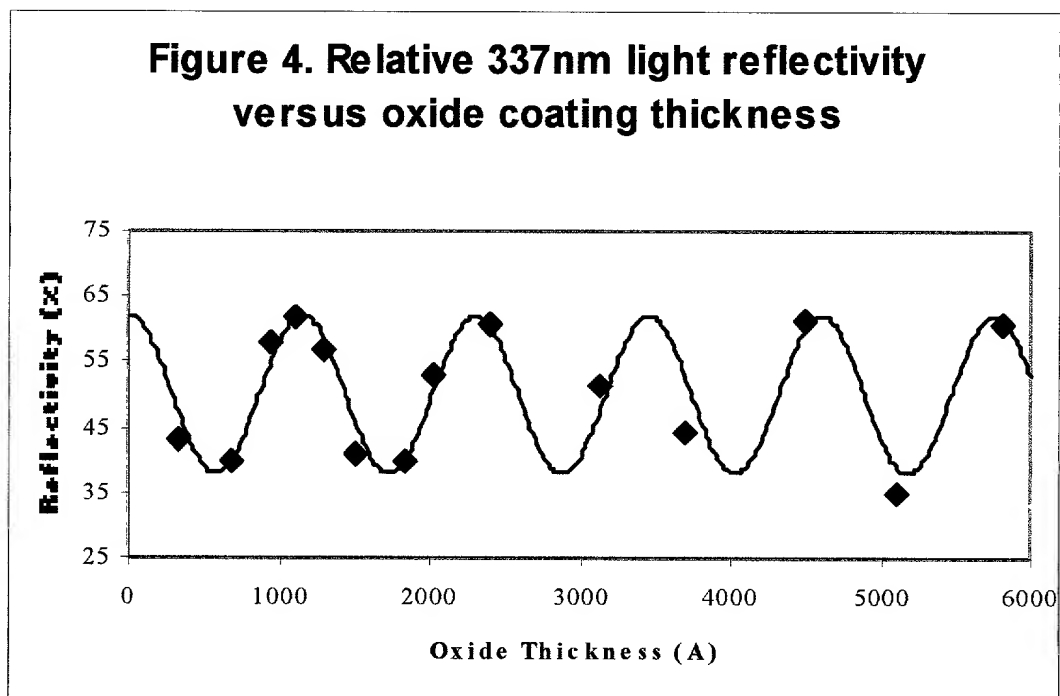


Figure 15.

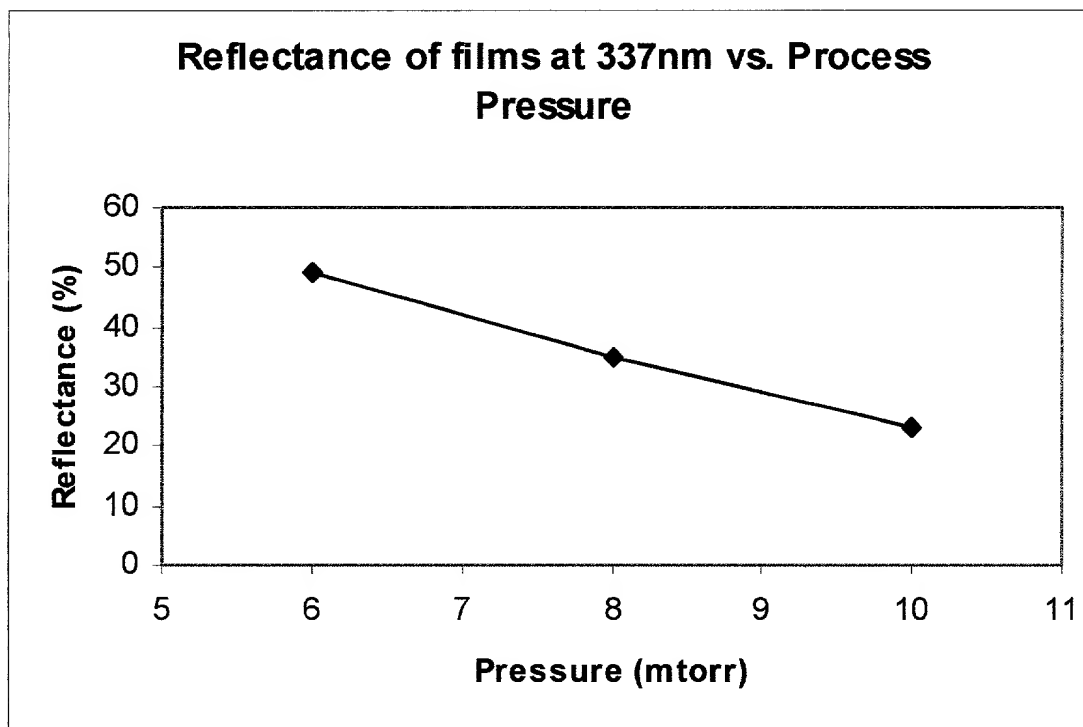


Figure 17.

006727-0466760

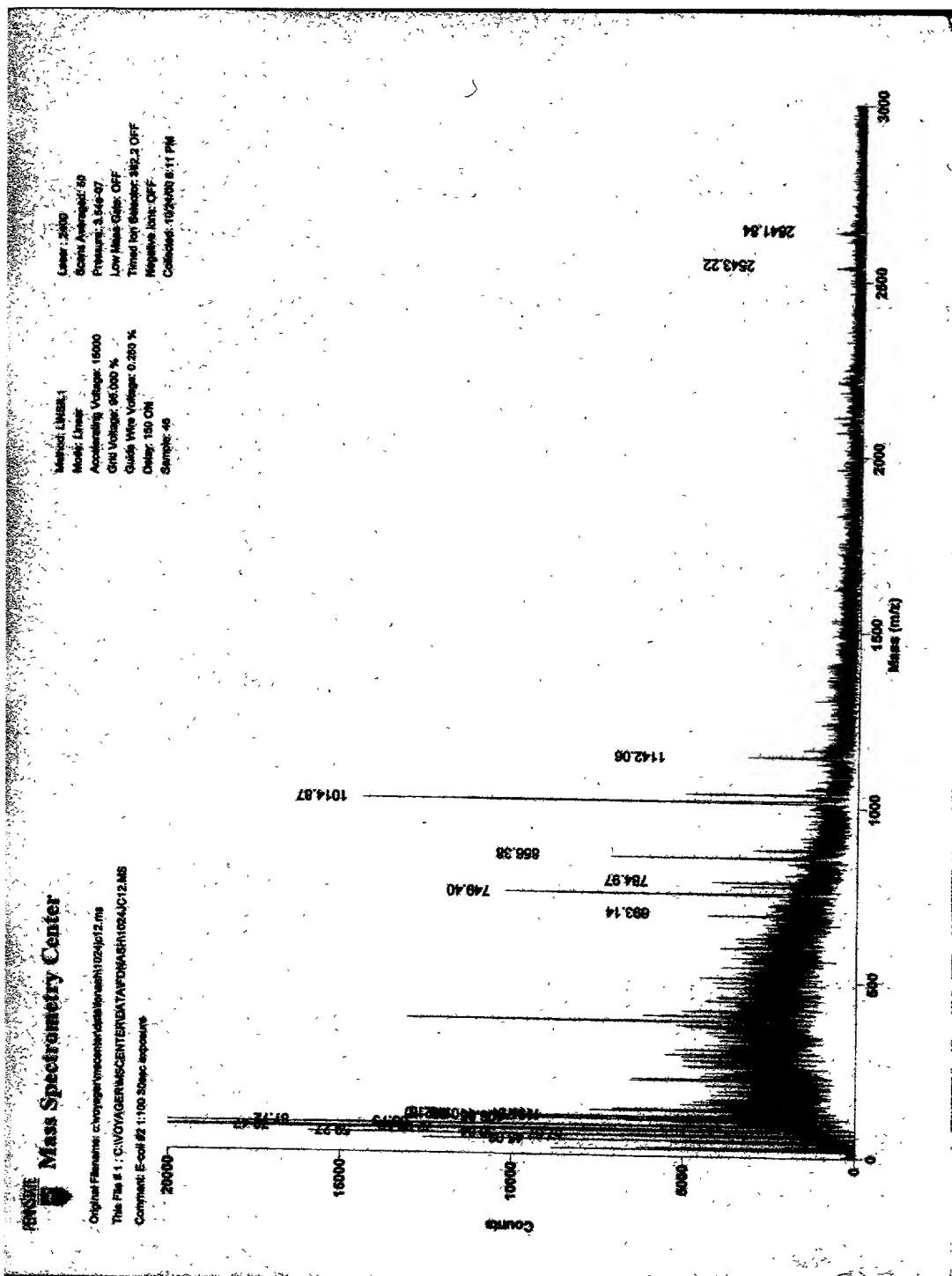


Figure 18a.

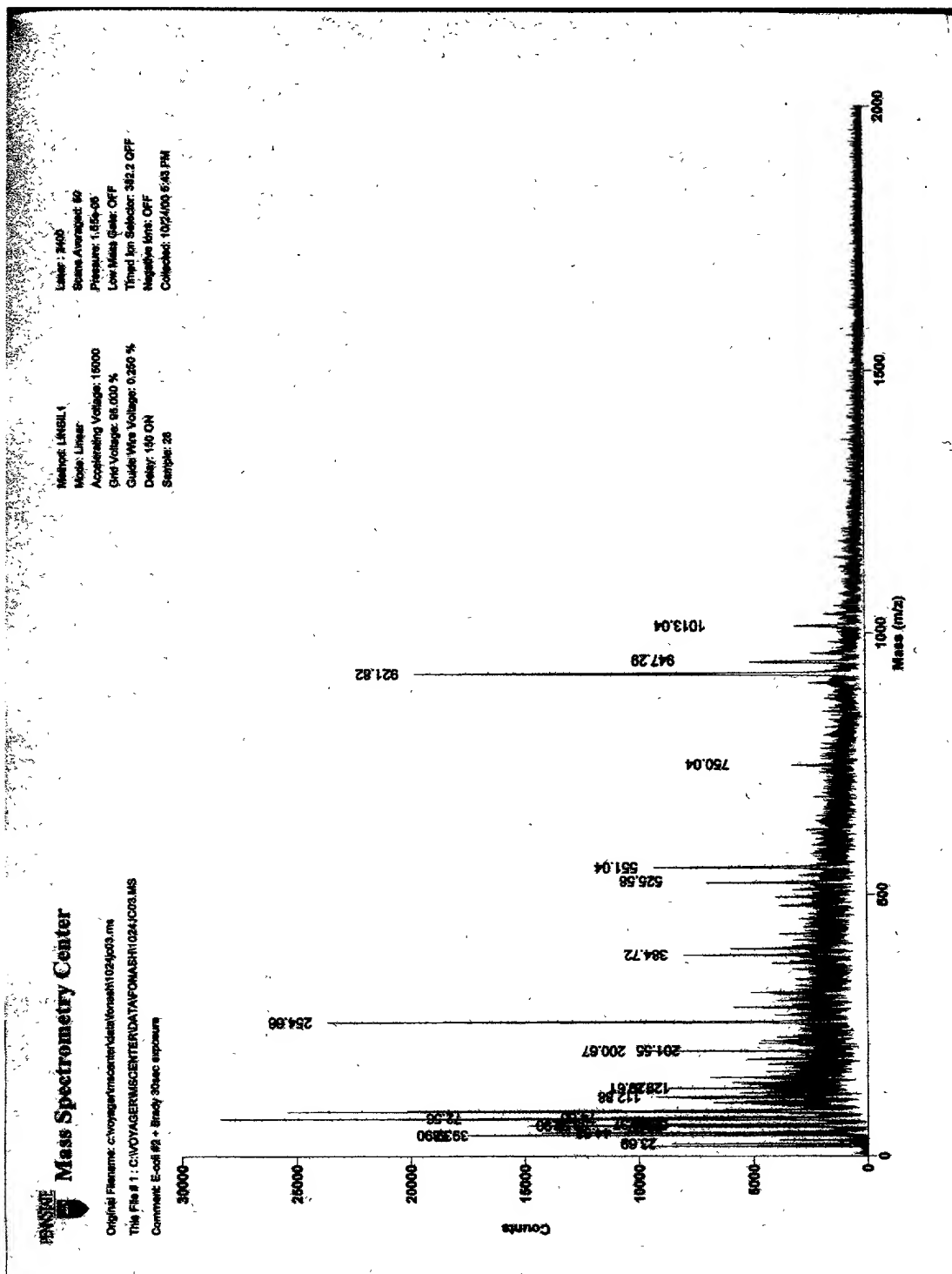


Figure 18b.

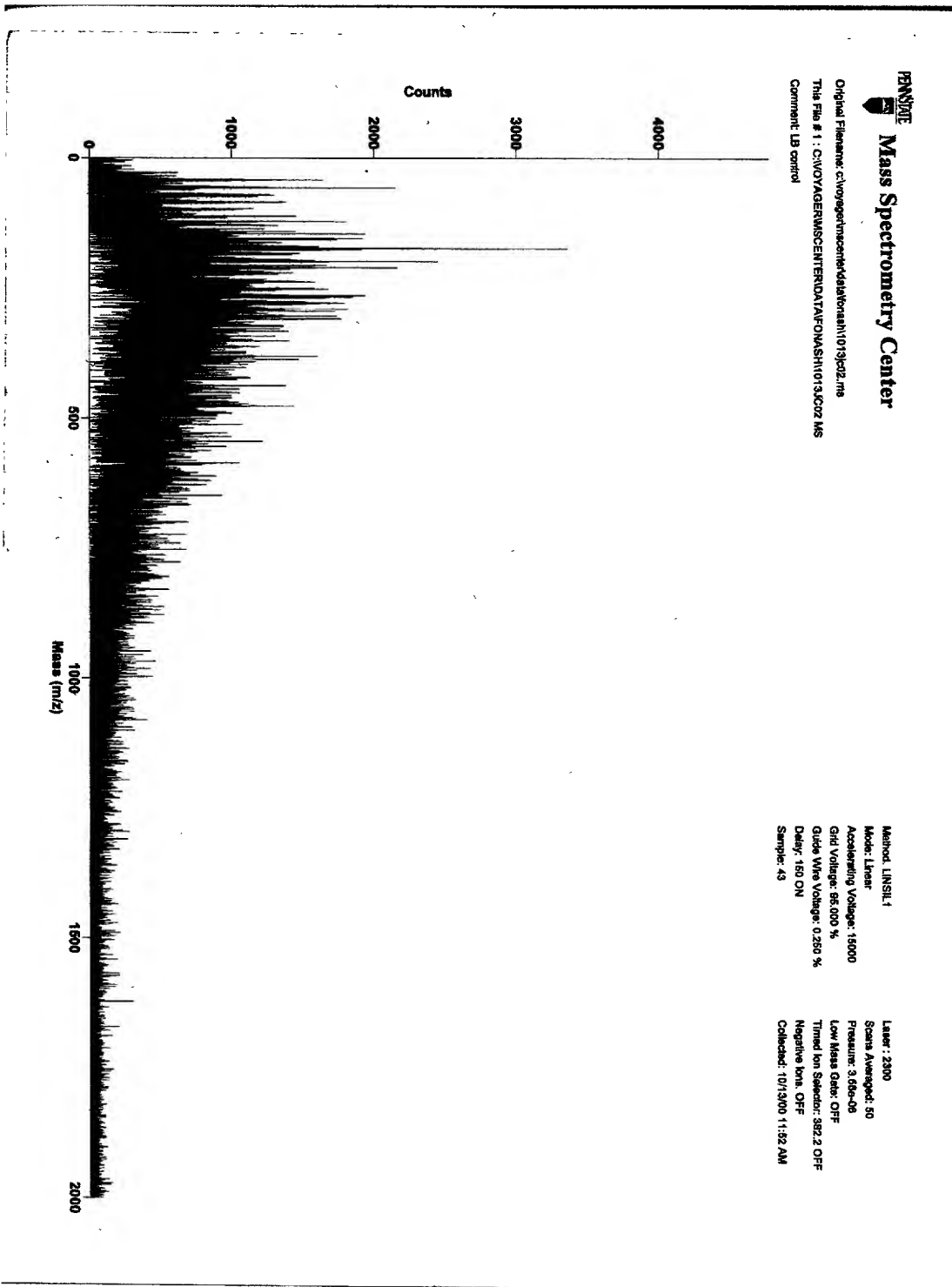


Figure 19a.

00739949 131300

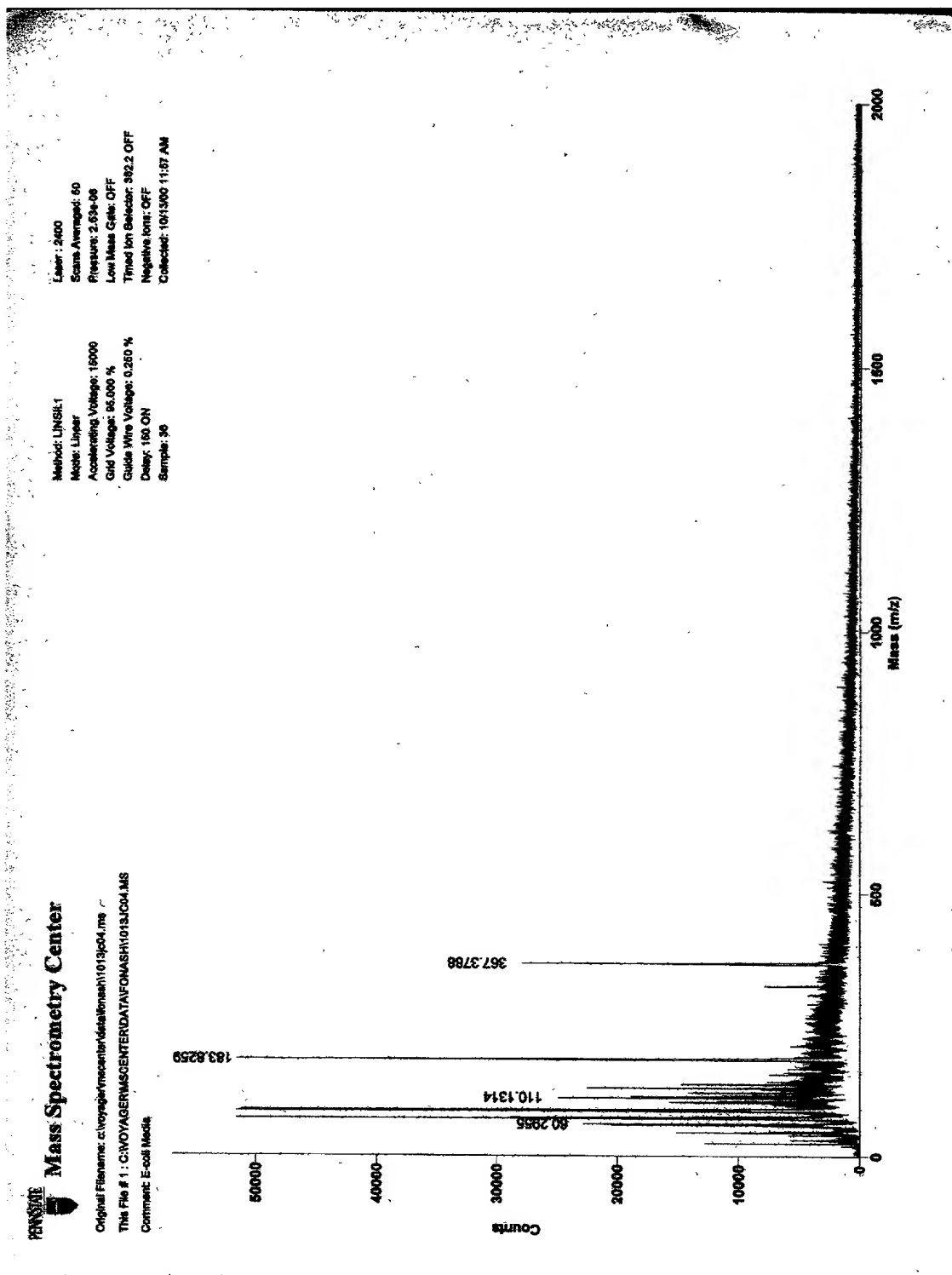


Figure 19b.

A black and white photograph of a textured surface, possibly asphalt, showing a dark, irregular, Y-shaped mark or stain in the center. The texture is granular and uneven, with the mark appearing as a darker, more solid area against the lighter, speckled background.

Figure 20.

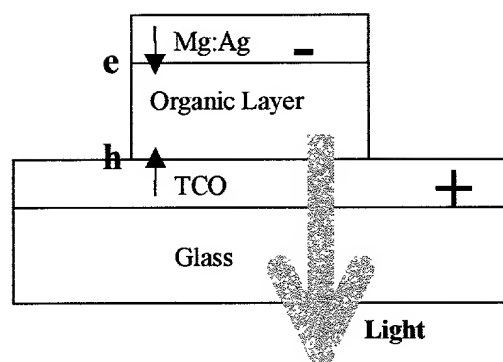


Figure 21.

